

**Amendments to the Claims**

Please cancel claims 10-127 without prejudice or disclaimer.

The listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A method for identifying an inhibitor of cysteine:glucosaminyl inositol ligase comprising:
  - a) contacting a candidate compound with a cysteine:glucosaminyl inositol ligase in the presence of a cysteine and a glucosaminyl inositol, under suitable conditions, and
  - b) determining the presence or absence of ligation of the cysteine to the glucosaminyl inositol,wherein the substantial absence of the ligation is indicative of a candidate compound that inhibits activity of the ligase.
2. (Previously Presented) The method of claim 1, wherein the cysteine:glucosaminyl inositol ligase is characterized as having:
  - a) an amino acid sequence with 54% or more sequence identity to SEQ ID NO: 2 or 4, and
  - b) cysteine:glucosaminyl inositol ligase activity.
3. (Original) The method of claim 1, wherein the cysteine is L-cysteine.
4. (Withdrawn) The method of claim 1, wherein the derivative is D-glucosamine.
5. (Withdrawn) The method of claim 1, wherein the derivative of glucosaminyl inositol is a fluorescent derivative of glucosaminyl inositol.
6. (Original) The method of claim 1, wherein the conditions comprise the presence of ATP.

In re Application of:

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7. (Original) The method of claim 6, wherein the glucosaminyl inositol is 1D-*myo*-inosityl 2-amino-2-deoxy- $\alpha$ -D-glucopyranoside.
8. (Original) The method of claim 1, wherein the ligase is produced in an actinomycete.
9. (Original) The method of claim 1, wherein the candidate compound is a polypeptide, polynucleotide or small molecule.

Claims 10-127 (Canceled)